DETERMINATION OF FLAKINESS INDEX AND ELONGATION INDEX OF COARSE AGGREGATE(IS 2386 (Part 1) 1963 (RA 2007)

Lab ID	:	CP-2021-05-29-16 **Date: 16-12-20**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Drilling of Borewells in Chowdeshwari Ward No-02 of Yelahanka Sub Division
Agency	:	Sri Kishore Kumar M. No.520, 21st Main, Chikkabommasandra,Yelahanka New Town, Bangalore-560064
Customer Reference	:	BBMP/EE/YNK.D/EPMT-01/W.O/98/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-12-20
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)
Date of test	:	14-12-20

Result:

Index	Percentage of Flakiness and Elongation Index	Secified limits as per MORTH specification table 400-12
Flakiness Index	12.6%	Combined Flakiness & Elongation Index for WMM is Maximum 35%
Elongation Index	12.5%	
Combined Flakiness and Elongation Index for WMM	25.1%	

* The Results Obtained are Satisfactory as per Standard Requirements

Note:

The results pertain to the samples received and tested.

All information furnished by the Customer/Representative

Any correction in the report will make this report invalid

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Samples will be disposed after 30 days from the date of issue of test certificate

AE-2

A.E.E

AE-02

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R KARTHIK RECHAN
Authorized Signatory
Quality Manager

End of Report

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QC ABSTRACT

NAME OF WORK: Drilling of Borewells in Chowdeshwari Ward No-02 of Yelahanka Sub Division

SL NO	Item Of Work	Name of Test	Frequency of Test/Quantity	Executed Quantity	Number of Tests Required	Number of Tests Conducted
		Materials				
1	WMM	Sieve Analysis	One Test		1	1
		Impact Value	One Test		1	1
		Flakiness Index	One Test		1	1
		Elongation Index	One Test		1	1

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TEST REPORT OF AGGEGRATE IMPACT VALUE
IS: 2386 Part IV

Lab ID	:	**CP-2021-05-29-16**	**Date: 16-12-20**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.	
Address	:	Yelahanka Sub Division, BBMP, Bangalore.	
Project Name	:	Drilling of Borewells in Chowdeshwari Ward No-02 of Yelahanka Sub Division	
Agency	:	Sri Kishore Kumar M. No.520, 21st Main, Chikkabommasandra, Yelahanka New Town, Bangalore-560064	
Customer Reference	:	BBMP/EE/YNK.D/EPMT-01/W.O/98/2020-21	
Source of Sample	:	Sample supplied by Agency	
Sample Condition	:	Satisfactory	
Date of Receipt	:	14-12-20	
Type of Mix	:	Coarse Aggregate for WMM (Wet Mix Macadam)	
Date of test	:	14-12-20	

Sl.No	Particulars of observations	Index	TEST 1	TEST 2
1	Total weight of the surface dry sample sample (passing 12.5 mm and retained on 10mm sieve)	A	300.2	300.2
2	Weight of fraction passing 2.36mm sieve After giving 15 blows	B	73.8	74.2
3	weight of fraction retained 2.36mm sieve After giving 15 blows	C	225.9	225.8
4	Total weight of (B+C) is less than the initial weight (Weight A) by more than one gram the result shall be discarded and a fresh test made.	A-(B+C)	0.5	0.2
5	Aggregate impact value	(B/A)*100	24.6	24.7
6	Aggregate impact value (Mean of two tests)	Pecentage	24.7	

* The Results Obtained are Satisfactory as per Standard Requirements

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TEST RESULTS OF GRADATION FOR WMM

Lab ID	:	**CP-2021-05-29-16** **Date: 16-12-20**
Customer	:	Assistant Executive Engineer, Yelahanka Sub Division, BBMP, Bangalore.
Address	:	Yelahanka Sub Division, BBMP, Bangalore.
Project Name	:	Drilling of Borewells in Chowdeshwari Ward No-02 of Yelahanka Sub Division
Agency	:	Sri Kishore Kumar M. No.520, 21st Main, Chikkabommasandra, Yelahanka New Town, Bangalore-560064
Customer Reference	:	BBMP/EE/YNK.D/EPMT-01/W.O/98/2020-21
Source of Sample	:	Sample supplied by Agency
Sample Condition	:	Satisfactory
Date of Receipt	:	14-12-20
Type of Mix	:	WMM (Wet Mix Macadem)
Date of test	:	14-12-20
Oven Dry Weight	:	11000 Grams

IS Sieve Size(mm)	Weight Retained (gm)	Cumulative Weight Retained (gm)	% Cumulative Weight Retained	% Passing	Spec.I.Vide Table 400.13 MORTH Specification
53	0	0	0.0	100.0	100
45	306	306	2.8	97.2	95-100
22.4	2245	2551	23.2	76.8	60-80
11.2	2186	4737	43.1	56.9	40-60
4.75	2248	6985	63.5	36.5	25-40
2.36	1610	8595	78.1	21.9	15-30
0.6	612	9207	83.7	16.3	8-22
0.075	1323	10530	95.7	4.3	0-5

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